ELSEVIER

Journal of Organometallic Chemistry 494 (1995) C27–C28

Journal of Organometallic Chemistry

Author Index of Volume 494

Adams, H., C12
Akazome, M., 229
Akiyama, T., 81
Albert, J., 95
Andersen, J.-A.M., 105
Apeloig, Y., 133

Bailey, N.A., C12
Baker, P.K., 205
Bala, A., 199
Bartsch, R.A., C25
Baudry, D., C22
Bégué, J.P., C26
Bessire, A.J., C25
Biesemans, M., 247
Blau, S., 65
Bonnet-Delpon, D., C26
Bouhdid, A., 247
Bringmann, G., 89
Bunz, U.H.F., C8
Burton, N.C., 241

Cabeza, J.A., 169
Camps, F., 53
Chen, S.-C., 149
Cheung, K.-K., 273
Chopa, A.B., 5, 11
Cifuentes, M.P., 267
Clément, J.-C., 215
Cloke, F.G.N., 241
Czech, B.P., C25

De Cian, A., 187
Delgado, E., 261
Del Río, I., 169
Denise, B., 43
Des Abbayes, H., 215
Diversi, P., C1
Dormond, A., C22

Ermini, L., C1

Fernández-Colinas, J.M., 169
Fischer, J., 187
Font-Bardía, M., 95
Forniés, J., 261

Giagante, N.N., 5
Gielen, M., 247
Gómez-Sal, P., C19
Granell, J., 95
Gray, M., 267
Gruselle, M., C26

Habel, W., 157
Hafid, A., C22
Handel, H., 215
Hänssgen, D., 223
Harman, M.E., 205
Hemme, I., 133
Hénin, F., 165
Hernández, E., 261
Herzog, U., 143
Hitchcock, P.B., 241
Hiwara, A., 1
Holwerda, R.A., C25
Humphrey, M.G., 267
Hursthouse, M.B., 205

Igoshi, T., 37
Ingrosso, G., C1
Irigoyen, A.M., 255, C19

Jain, V.K., 75
Jalón, F.A., 179
Jansen, M., 223
Jeannin, S., 17
Jeannin, Y., 17
Jeynes, T.P., 267
Jordi, L., 53

Kajitani, M., 81
Kamer, P.C.J., C15
Karaulov, A.I., 205
Khandelwal, B.L., 199
Khanna, A., 199
Kiefer, W., 89
Kim, J.S., C25
Klingebiel, U., 133
Kondo, T., 229
Kondratenko, M.A., C26
Kotzian, M., 115
Kreiter, C.G., 115
Kubicki, M.M., 215

Lalinde, E., 261
Lang, H., 65
Lavery, A.J., 205
Leben, C., 223
Lee, G.-H., 149
Lee, S.-M., 273
Levina, A., 165
Lin, Y.-C., 149
Llamazares, A., 169
Lucarini, M., 123
Lucherini, A., C1

Malézieux, B., C26
Malik, K.M.A., 205
Mansilla, N., 261
Manzano, B.R., 179
Marson, C.M., C12
Martín, A., 255, C19
Mejias, M., 53
Mena, M., 255, C19
Mepsted, G.O., 241
Molins, E., 53
Monge, M., C19
Moragas, R., 95
Moreno, M.T., 261
Moretó, J.M., 53
Mori, Y., 81
Morris, J.H., 195
Moss, J.R., 105
Muldoon, D.J., 205
Müller, T., 133
Muzart, J., 165

Nakamura, A., 1
Newton, C., 241
Noltemeyer, M., 133

Oelschläger, A., 157
Oster, T., 223
Otero, A., 179
Özkar, S., 115

Palacios, F., 255
Parlier, A., 43
Patel, H., 241
Patinec, V., 215
Pätzold, U., 143
Pedulli, G.F., 123
Peters, G.S., 195
Pfeffer, M., 187
Pikl, R., 89
Pinzino, C., C1
Pisarevsky, A., C4
Podestá, J.C., 5, 11

Radivoy, G.E., 11
Randall, L., C12
Reuther, I., 89

Rheinwald, G., 65
Ricart, S., 53
Riera, V., 169
Rodríguez-Pérez, M.C., 179
Roewer, G., 143
Rosenberger, C., 17
Rudler, H., 43

Sagramora, L., C1
Sakai, H., 1
Sales, J., 95
Sartori, P., 157
Schenk, W.A., 89
Schöner, B., 89
Schupp, O., 89
Sekigawa, K., 1
Shawcross, A., 205
Singhal, A., 75
Skelton, B.W., 267
Solans, X., 95
Spek, A.L., C15
Spicer, M.D., 195
Steunou, N., 17
Struchkov, Y.T., C4
Sugimori, A., 81
Sugiyama, T., 81

Takehara, M., 81
Tamai, H., 1
Tanase, T., 37
Tiekink, E.R.T., 247
Troyanov, S., C4

Urriolabeitia, E.P., 187

Vaissermann, J., 43
Van Leeuwen, P.W.N.M., C15
Van Rooy, A., C15
Veldman, N., C15
Viñas, J.M., 53
Vitale, C.A., 11

Wache, S., 235
Wang, Y., 149
Watanabe, Y., 229
White, A.H., 267
Willem, R., 247
Winter, M.J., C12
Wong, W.-T., 273

Yamamoto, J., 229
Yamamoto, Y., 37
Yamasaki, M., 81
Yaouanc, J.-J., 215
Yasuda, H., 1
Yélamos, C., 255, C19
Yih, K.-H., 149

Zsolnai, L., 65
Zúñiga, A.E., 5

ELSEVIER

Journal of Organometallic Chemistry 494 (1995) C29–C36

Journal of Organometallic Chemistry

Subject Index of Volume 494

Ab initio calculations
Tetrafluorocyclodisilazanes: synthesis, crystal structure, and molecular orbital ab initio calculations (T. Müller, Y. Apeloig, I. Hemme, U. Klingebiel and M. Noltemeyer), 133
Acyl
Mononuclear alkyl and acyl derivatives of rheniumpentacarbonyl: synthesis, characterization and properties (J.-A.M. Andersen and J.R. Moss), 105
Synthesis and characterization of triosmium clusters containing the 2-(benzylthio)benzoyl ligand (S.-M. Lee, K.-K. Cheung and W.-T. Wong), 273
Addition-elimination
Addition of $CHSiMe_3$ to the Co–S Bond of 1,2,5,3-cobaltadithiazole. Formation and reactions of stereoisomeric cobaltathiirane complexes (Y. Mori, M. Takehara, T. Sugiyama, M. Kajitani, T. Akiyama, M. Yamasaki and A. Sugimori), 81
Alkene acyloxylation
On the stability of the copper-(S)-proline catalyst in the enantioselective allylic acyloxylation of alkenes (A. Levina, F. Hénin and J. Muzart), 165
Alkyl
Mononuclear alkyl and acyl derivatives of rheniumpentacarbonyl: synthesis, characterization and properties (J.-A.M. Andersen and J.R. Moss), 105
Synthesis and multinuclear NMR studies of 3-aminopropyl(aryl)chalcogenides, $NH_2CH_2CH_2CH_2EAr$ (E=Se, Te), and their complexes with Pt(II) and Pd(II) (A. Khanna, A. Bala and B.L. Khandelwal), 199
Alkylidene
Addition of $CHSiMe_3$ to the Co–S Bond of 1,2,5,3-cobaltadithiazole. Formation and reactions of stereoisomeric cobaltathiirane complexes (Y. Mori, M. Takehara, T. Sugiyama, M. Kajitani, T. Akiyama, M. Yamasaki and A. Sugimori), 81
Alkyne
1,2-Diethynylferrocene (U.H.F. Bunz), C8
Synthesis of $[Fe_2(CO)_6(\mu\text{-}SC_2H_5)(\mu\text{-}CCR)]$ ($R = CH_3$ or C_6H_5) and reactivity with electron-rich molecules, triphenylphosphine, diphenylacetylene, ethylthio(phenyl)ethyne and (diethylamino)-propyne. Preparation of $[Fe_2(CO)_6(\mu\text{-}SCCC_6H_5)(\mu\text{-}CCC_6H_5)]$ and formation of $[Fe_4(CO)_{12}(\mu_4\text{-}S)(\mu\text{-}CCC_6H_5)_2]$ (C. Rosenberger, N. Steunou, S. Jeannin and Y. Jeannin), 17
Alkyne hydrogenation kinetics
Synthesis, characterization, reactivity, and catalytic hydrogenation activity of the hexanuclear hexahydrido carbonyl cluster compound $[Ru_6(\mu\text{-}H)_6(\mu_3,\eta^2\text{-ampy})_2(CO)_{14}]$ (Hampy = 2-amino-6-methylpyridine) (J.A. Cabeza, I. Del Río, J.M. Fernández-Colinas, A. Llamazares and V. Riera), 169
Alkyne insertion
Reaction of aminocarbene complexes of chromium and tungsten. 6. Rearrangements of and insertions of alkynes into aziridinylcarbene complexes (B. Denise, A. Parlier, H. Rudler and J. Vaissermann), 43
Alkynes
Synthese, Koordinationsverhalten und Thermolyse alkinylfunktionalisierter Übergangsmetall-Komplexe; Kristallstruktur von $\{Mo_2(\eta^5\text{-}C_5H_5)_2(CO)_4[(\mu_4\text{-}\eta^{2:2:2:2}\text{-}Me_3SiC{\equiv}C{-}C{\equiv}CSiMe_3)Co_2(CO)_6]\}$ (H. Lang, S. Blau, G. Rheinwald und L. Zsolnai), 65
Alkynyl complexes
Synthesis and reactivity of alkynyl(silylamido)uranium complexes (D. Baudry, A. Dormond and A. Hafid), C22
Allyl
Synthesis and fluxional behaviour of allylpalladium complexes with poly(pyrazol-1-yl)methane ligands (F.A. Jalón, B.R. Manzano, A. Otero and M.C. Rodríguez-Pérez), 179
Allylpalladium
Synthesis and characterization of dimeric organochalcogenido-bridged methylpalladium and allylpalladium complexes (A. Singhal and V.K. Jain), 75
Aluminium
Synthesis of arene Ti and Zr complexes and their reactivity towards air: crystal structure of $[(C_6H_3Me_3)_2Zr(AlCl_4)](Al_2Cl_7)$ and $TiCl_3(OPh)$ (S. Troyanov, A. Pisarevsky and Y.T. Struchkov), C4
Amination
The reaction of benzene with diethylamine in the presence of an iridium(I)/mercury(II) based system: a model route for the direct amination of aromatic hydrocarbons (P. Diversi, L. Ermini, G. Ingrosso, A. Lucherini, C. Pinzino and L. Sagramora), C1
Amine
Synthesis and multinuclear NMR studies of 3-aminopropyl(aryl)chalcogenides, $NH_2CH_2CH_2CH_2EAr$ (E=Se, Te), and their complexes with Pt(II) and Pd(II) (A. Khanna, A. Bala and B.L. Khandelwal), 199
Anomeric effects
Tetrafluorocyclodisilazanes: synthesis, crystal structure, and molecular orbital ab initio calculations (T. Müller, Y. Apeloig, I. Hemme, U. Klingebiel and M. Noltemeyer), 133
Arene
Synthesis of arene Ti and Zr complexes and their reactivity towards air: crystal structure of $[(C_6H_3Me_3)_2Zr(AlCl_4)](Al_2Cl_7)$ and $TiCl_3(OPh)$ (S. Troyanov, A. Pisarevsky and Y.T. Struchkov), C4
Aryl
Synthesis and multinuclear NMR studies of 3-aminopropyl(aryl)chalcogenides, $NH_2CH_2CH_2CH_2EAr$ (E=Se, Te), and their complexes with Pt(II) and Pd(II) (A. Khanna, A. Bala and B.L. Khandelwal), 199
Asymmetric synthesis
Synthesis and some reactions of mixed (−)-menthyltin hydrides (J.C. Podestá, A.B. Chopa, G.E. Radivoy and C.A. Vitale), 11
Asymmetry
Synthesis and characterization of asymmetric C,N-cyclometallated complexes of Mo(II). X-ray crystal structures of $[(\eta^5\text{-}C_5H_5)Mo\{C_6H_2\text{-}(OCH_2O)\text{-}2,3\text{-}CH_2NMe_2\text{-}6\}(I)(NO)]$ and $[(\eta^5\text{-}C_5H_5)Mo\{S\text{-}C_6H_4CH(Me)NMe_2\text{-}2\}(I)(NO)]$ (M. Pfeffer, E.P. Urriolabeitia, A. De Cian and J. Fischer), 187

Benzathiophene
Preparation of bis(η^6-2-R-benzo[*b*]thiophene)-chromium and -molybdenum (R = H, Me, $SiMe_3$) sandwich complexes via metal vapour synthesis. Crystal structure of [Cr(η^6-2-Me $C_8H_5S)_2$] (N.C. Burton, F.G.N. Cloke, P.B. Hitchcock, G.O. Mepsted, C. Newton and H. Patel), 241
Benzylideneamine complexes
Cyclometallation of 3,5 disubstituted *N*-benzylideneamines by palladium(II). Synthesis and X-ray crystal structure of [Pd(3,5-$F_2C_6H_2CH{=}NC_6H_5$)Br($PPh_3)_2$] (J. Albert, J. Granell, R. Moragas, J. Sales, M. Font-Bardía and X. Solans), 95
Biaryls
Synthesis and vibrational spectra of thiobutyrolactone and thiono-benzonaphthopyranones and their cyclopentadienyl ruthenium complexes (R. Pikl, W. Kiefer, I. Reuther, W.A. Schenk, B. Schöner, O. Schupp and G. Bringmann), 89
Boron
1-Me_2NH-2-CH_2Cl-*closo*-1-$CB_{11}H_{10}$. An unusual product from the insertion reaction of Me_2NBCl_2 with Li_2 [7-Me_3N-*nido*-7-$CB_{10}H_{10}$] (J.H. Morris, G.S. Peters and M.D. Spicer), 195
An EPR study of the reaction of tetrabutylammonium borohydride with *N*-Heterocycles (M. Lucarini and G.F. Pedulli), 123
Boron neutron capture therapy
1-Me_2NH-2-CH_2Cl-*closo*-1-$CB_{11}H_{10}$. An unusual product from the insertion reaction of Me_2NBCl_2 with Li_2 [7-Me_3N-*nido*-7-$CB_{10}H_{10}$] (J.H. Morris, G.S. Peters and M.D. Spicer), 195

Carbaborane
1-Me_2NH-2-CH_2Cl-*closo*-1-$CB_{11}H_{10}$. An unusual product from the insertion reaction of Me_2NBCl_2 with Li_2 [7-Me_3N-*nido*-7-$CB_{10}H_{10}$] (J.H. Morris, G.S. Peters and M.D. Spicer), 195
Carbamate complexes
Hydrolysis of (pentamethylcyclopentadienyl)titanium(IV) carbamates. X-ray structure of [{Cp^* Ti(η^2-O_2CNEt_2)}$_2$(μ-O)$_2$] (P. Gómez-Sal, A.M. Irigoyen, A. Martín, M. Mena, M. Monge and C. Yélamos), C19
Carbene
Synthesis of heterocyclic molybdenum carbene complexes using haloalkyl-substituted epoxides (H. Adams, N.A. Bailey, C.M. Marson, L. Randall and M.J. Winter), C12
Carbene complexes
Reaction of aminocarbene complexes of chromium and tungsten. 6. Rearrangements of and insertions of alkynes into aziridinylcarbene complexes (B. Denise, A. Parlier, H. Rudler and J. Vaissermann), 43
Reaction of ethyl 3,3-diethoxyacrylate with Fischer alkoxyalkynyl transition metal carbene complexes (L. Jordi, F. Camps, S. Ricart, J.M. Viñas, J.M. Moretó, M. Mejias and E. Molins), 53
Carbon disulfide
New syntheses of [Et_4N][($C_5H_{10}NCS_2$)M($CO)_4$] (M=Cr, Mo and W): Insertion reaction of carbon disulfide into the metal–nitrogen bond (K.-H. Yih, S.-C. Chen, Y.-C. Lin, G.-H. Lee and Y. Wang), 149
Carbon monoxide
Palladium complex-catalyzed intermolecular reductive *N*-heterocyclization: novel synthesis of quinazoline derivatives from 2-nitrobenzaldehyde or 2-nitrophenyl ketones with formamide (M. Akazome, J. Yamamoto, T. Kondo and Y. Watanabe), 229
Carbonyl
Gehinderte Ligandbewegungen in Übergangsmetallkomplexen XLV. Struktur und dynamisches Verhalten von *cis*-Dicarbonyl-bis(η^4-1,3-dien)chrom(0)-, -molybdän(0)- und -wolfram(0)-Komplexen (S. Özkar, C.G. Kreiter und M. Kotzian), 115
Mononuclear alkyl and acyl derivatives of rheniumpentacarbonyl: synthesis, characterization and properties (J.-A.M. Andersen and J.R. Moss), 105
Ruthenium clusters with nitrogen ligands. IV. Double C–H activation of ketimine methyl groups on triruthenium carbonyl clusters. Crystal structure of Ru_3(μ-H)$_2$[μ_3-η^2-(*N*,*C*)-4-HOC_6H_4-N=CMeCH](CO)$_9$. Et_2O (M.P. Cifuentes, T.P. Jeynes, M. Gray, M.G. Humphrey, B.W. Skelton and A.H. White), 267
Synthesis and characterization of triosmium clusters containing the 2-(benzylthio)benzoyl ligand (S.-M. Lee, K.-K. Cheung and W.-T. Wong), 273
Carbonyls
Nitrile exchange reactions of [$MI_2(CO)_3(NCMe)_2$] (M = Mo or W). X-ray crystal structures of the mixed-ligand seven-coordinate complexes [$WI_2(CO)_3$(NCR)($AsPh_3$)] (R = Et or Ph) (P.K. Baker, M.E. Harman, M.B. Hursthouse, A.I. Karaulov, A.J. Lavery, K.M.A. Malik, D.J. Muldoon and A. Shawcross), 205
Synthesis of [$Fe_2(CO)_6$(μ-SC_2H_5)(μ-CCR)] (R = CH_3 or C_6H_5) and reactivity with electron-rich molecules, triphenylphosphine, diphenylacetylene, ethylthio(phenyl)ethyne and (diethylamino)-propyne. Preparation of [$Fe_2(CO)_6$(μ-$SCCC_6H_5$)(μ-CCC_6H_5)] and formation of [$Fe_4(CO)_{12}$(μ_4-S)(μ-$CCC_6H_5)_2$] (C. Rosenberger, N. Steunou, S. Jeannin and Y. Jeannin), 17
Carborane
1-Me_2NH-2-CH_2Cl-*closo*-1-$CB_{11}H_{10}$. An unusual product from the insertion reaction of Me_2NBCl_2 with Li_2 [7-Me_3N-*nido*-7-$CB_{10}H_{10}$] (J.H. Morris, G.S. Peters and M.D. Spicer), 195
Catalysis
Katalytische Hydrierung chlorhaltiger Disilane mit Tributylstannan (U. Herzog, G. Roewer und U. Pätzold), 143
NMR spectra and crystal structure of a regioselective hydroformylation catalyst complex RhH(diphosphite)$(CO)_2$ (A. Van Rooy, P.C.J. Kamer, P.W.N.M. Van Leeuwen, N. Veldman and A.L. Spek), C15
On the stability of the copper-(S)-proline catalyst in the enantioselective allylic acyloxylation of alkenes (A. Levina, F. Hénin and J. Muzart), 165
The reaction of benzene with diethylamine in the presence of an iridium(I)/mercury(II) based system: a model route for the direct amination of aromatic hydrocarbons (P. Diversi, L. Ermini, G. Ingrosso, A. Lucherini, C. Pinzino and L. Sagramora), C1
Catalytic hydrogenation
Synthesis, characterization, reactivity, and catalytic hydrogenation activity of the hexanuclear hexahydrido carbonyl cluster compound [Ru_6(μ-H)$_6$(μ_3,η^2-ampy)$_2(CO)_{14}$] (Hampy = 2-amino-6-methylpyridine) (J.A. Cabeza, I. Del Río, J.M. Fernández-Colinas, A. Llamazares and V. Riera), 169
C–H activation
The reaction of benzene with diethylamine in the presence of an iridium(I)/mercury(II) based system: a model route for the direct amination of aromatic hydrocarbons (P. Diversi, L. Ermini, G. Ingrosso, A. Lucherini, C. Pinzino and L. Sagramora), C1
Chalcogenide
Synthesis and multinuclear NMR studies of 3-aminopropyl(aryl)chalcogenides, $NH_2CH_2CH_2CH_2EAr$ (E=Se, Te), and their complexes with Pt(II) and Pd(II) (A. Khanna, A. Bala and B.L. Khandelwal), 199
Chirality
On the stability of the copper-(S)-proline catalyst in the enantioselective allylic acyloxylation of alkenes (A. Levina, F. Hénin and J. Muzart), 165
Chromium
Gehinderte Ligandbewegungen in Übergangsmetallkomplexen XLV. Struktur und dynamisches Verhalten von *cis*-Dicarbonyl-bis(η^4-

1,3-dien)chrom(0)-, -molybdän(0)- und -wolfram(0)-Komplexen (S. Özkar, C.G. Kreiter und M. Kotzian), 115

Modes of complexation of non-substituted and substituted tetraaza-macrocycles with Group 6 metal carbonyls. X-ray structure of [(permethylcyclam)$Mo(CO)_4$] (V. Patinec, J.-J. Yaouanc, J.-C. Clément, H. Handel, H. Des Abbayes and M.M. Kubicki), 215

New syntheses of $[Et_4N][(C_5H_{10}NCS_2)M(CO)_4]$ (M=Cr, Mo and W): Insertion reaction of carbon disulfide into the metal–nitrogen bond (K.-H. Yih, S.-C. Chen, Y.-C. Lin, G.-H. Lee and Y. Wang), 149

Preparation of bis(η^6-2-R-benzo[*b*]thiophene)-chromium and -molybdenum (R = H, Me, $SiMe_3$) sandwich complexes via metal vapour synthesis. Crystal structure of [Cr(η^6-2-Me $C_8H_5S)_2$] (N.C. Burton, F.G.N. Cloke, P.B. Hitchcock, G.O. Mepsted, C. Newton and H. Patel), 241

Reaction of aminocarbene complexes of chromium and tungsten. 6. Rearrangements of and insertions of alkynes into aziridinylcarbene complexes (B. Denise, A. Parlier, H. Rudler and J. Vaissermann), 43

Reaction of ethyl 3,3-diethoxyacrylate with Fischer alkoxyalkynyl transition metal carbene complexes (L. Jordi, F. Camps, S. Ricart, J.M. Viñas, J.M. Moretó, M. Mejias and E. Molins), 53

Cluster

Synthesis and characterization of triosmium clusters containing the 2-(benzylthio)benzoyl ligand (S.-M. Lee, K.-K. Cheung and W.-T. Wong), 273

Synthesis, characterization, reactivity, and catalytic hydrogenation activity of the hexanuclear hexahydrido carbonyl cluster compound $[Ru_6(\mu\text{-}H)_6(\mu_3,\eta^2\text{-ampy})_2(CO)_{14}]$ (Hampy = 2-amino-6-methylpyridine) (J.A. Cabeza, I. Del Río, J.M. Fernández-Colinas, A. Llamazares and V. Riera), 169

Synthesis of $[Fe_2(CO)_6(\mu\text{-}SC_2H_5)(\mu\text{-CCR})]$ (R = CH_3 or C_6H_5) and reactivity with electron-rich molecules, triphenylphosphine, diphenylacetylene, ethylthio(phenyl)ethyne and (diethylamino)propyne. Preparation of $[Fe_2(CO)_6(\mu\text{-}SCCC_6H_5)(\mu\text{-}CCC_6H_5)]$ and formation of $[Fe_4(CO)_{12}(\mu_4\text{-}S)(\mu\text{-}CCC_6H_5)_2]$ (C. Rosenberger, N. Steunou, S. Jeannin and Y. Jeannin), 17

Cobalt

Addition of $CHSiMe_3$ to the Co–S Bond of 1,2,5,3-cobaltadithiazole. Formation and reactions of stereoisomeric cobaltathiirane complexes (Y. Mori, M. Takehara, T. Sugiyama, M. Kajitani, T. Akiyama, M. Yamasaki and A. Sugimori), 81

Synthese, Koordinationsverhalten und Thermolyse alkinylfunktionalisierter Übergangsmetall-Komplexe; Kristallstruktur von {Mo_2-(η^5-$C_5H_5)_2(CO)_4$[(μ_4-$\eta^{2:2:2:2}$-$Me_3SiC{\equiv}C{-}C{\equiv}CSiMe_3$)$Co_2$-$(CO)_6$]} (H. Lang, S. Blau, G. Rheinwald und L. Zsolnai), 65

Cobaltadithiazole

Addition of $CHSiMe_3$ to the Co–S Bond of 1,2,5,3-cobaltadithiazole. Formation and reactions of stereoisomeric cobaltathiirane complexes (Y. Mori, M. Takehara, T. Sugiyama, M. Kajitani, T. Akiyama, M. Yamasaki and A. Sugimori), 81

Copper

Reaction of aminocarbene complexes of chromium and tungsten. 6. Rearrangements of and insertions of alkynes into aziridinylcarbene complexes (B. Denise, A. Parlier, H. Rudler and J. Vaissermann), 43

Copper–proline complex

On the stability of the copper-(S)-proline catalyst in the enantioselective allylic acyloxylation of alkenes (A. Levina, F. Hénin and J. Muzart), 165

Crystal structure

Crystal structure of the dimeric bis(*p*-fluoro- and pentafluorophenylacetato)tetra-n-butyldistannoxanes (E.R.T. Tiekink, M. Gielen, A. Bouhdid, M. Biesemans and R. Willem), 247

Nitrile exchange reactions of $[MI_2(CO)_3(NCMe)_2]$ (M = Mo or W). X-ray crystal structures of the mixed-ligand seven-coordinate complexes $[WI_2(CO)_3(NCR)(AsPh_3)]$ (R = Et or Ph) (P.K. Baker, M.E. Harman, M.B. Hursthouse, A.I. Karaulov, A.J. Lavery, K.M.A. Malik, D.J. Muldoon and A. Shawcross), 205

NMR spectra and crystal structure of a regioselective hydroformylation catalyst complex RhH(diphosphite)$(CO)_2$ (A. Van Rooy, P.C.J. Kamer, P.W.N.M. Van Leeuwen, N. Veldman and A.L. Spek), C15

Preparation of bis(η^6-2-R-benzo[*b*]thiophene)-chromium and -molybdenum (R = H, Me, $SiMe_3$) sandwich complexes via metal vapour synthesis. Crystal structure of [Cr(η^6-2-Me $C_8H_5S)_2$] (N.C. Burton, F.G.N. Cloke, P.B. Hitchcock, G.O. Mepsted, C. Newton and H. Patel), 241

Ruthenium clusters with nitrogen ligands. IV. Double C–H activation of ketimine methyl groups on triruthenium carbonyl clusters. Crystal structure of $Ru_3(\mu\text{-}H)_2[\mu_3\text{-}\eta^2\text{-}(N,C)\text{-}4\text{-}HOC_6H_4\text{-}N{=}CMeCH](CO)_9$. Et_2O (M.P. Cifuentes, T.P. Jeynes, M. Gray, M.G. Humphrey, B.W. Skelton and A.H. White), 267

Synthesis and characterization of triosmium clusters containing the 2-(benzylthio)benzoyl ligand (S.-M. Lee, K.-K. Cheung and W.-T. Wong), 273

Tetrafluorocyclodisilazanes: synthesis, crystal structure, and molecular orbital ab initio calculations (T. Müller, Y. Apeloig, I. Hemme, U. Klingebiel and M. Noltemeyer), 133

Cyclometallation

Cyclometallation of 3,5 disubstituted *N*-benzylideneamines by palladium(II). Synthesis and X-ray crystal structure of [Pd(3,5-$F_2C_6H_2CH{=}NC_6H_5)Br(PPh_3)_2$] (J. Albert, J. Granell, R. Moragas, J. Sales, M. Font-Bardía and X. Solans), 95

Synthesis and characterization of asymmetric C,N-cyclometallated complexes of Mo(II). X-ray crystal structures of [(η^5-$C_5H_5)Mo\{C_6H_2$-(OCH_2O)-2,3-CH_2NMe_2-6$\}(I)(NO)$] and [(η^5-$C_5H_5)Mo\{S\text{-}C_6H_4CH(Me)NMe_2\text{-}2\}(I)(NO)$] (M. Pfeffer, E.P. Urriolabeitia, A. De Cian and J. Fischer), 187

Cyclopentadienyl

Thiolate derivatives of bis(diphenylphosphinocyclopentadienyl)-titanium Ti–Pt and Ti–Pd heterobimetallic compounds (E. Delgado, J. Forniés, E. Hernández, E. Lalinde, N. Mansilla and M.T. Moreno), 261

Dialkylamido complexes

Synthesis and characterisation of chlorobis(dialkylamido) and alkylbis(dialkylamido) derivatives of [(η^5-$C_5Me_5)MCl_3$](M = Ti,Zr) (A.M. Irigoyen, A. Martín, M. Mena, F. Palacios and C. Yélamos), 255

Diene

Gehinderte Ligandbewegungen in Übergangsmetallkomplexen XLV. Struktur und dynamisches Verhalten von *cis*-Dicarbonyl-bis(η^4-1,3-dien)chrom(0)-, -molybdän(0)- und -wolfram(0)-Komplexen (S. Özkar, C.G. Kreiter und M. Kotzian), 115

Dimeric

Synthesis and characterization of dimeric organochalcogenido-bridged methylpalladium and allylpalladium complexes (A. Singhal and V.K. Jain), 75

Dinuclear complexes

Cyclometallation of 3,5 disubstituted *N*-benzylideneamines by palladium(II). Synthesis and X-ray crystal structure of [Pd(3,5-$F_2C_6H_2CH{=}NC_6H_5)Br(PPh_3)_2$] (J. Albert, J. Granell, R. Moragas, J. Sales, M. Font-Bardía and X. Solans), 95

Diphosphite

NMR spectra and crystal structure of a regioselective hydroformylation catalyst complex RhH(diphosphite)$(CO)_2$ (A. Van Rooy, P.C.J. Kamer, P.W.N.M. Van Leeuwen, N. Veldman and A.L. Spek), C15

Distannoxanes
Crystal structure of the dimeric bis(*p*-fluoro- and pentafluorophenylacetato)tetra-n-butyldistannoxanes (E.R.T. Tiekink, M. Gielen, A. Bouhdid, M. Biesemans and R. Willem), 247
Dithiocarbamate
New syntheses of $[Et_4N][(C_5H_{10}NCS_2)M(CO)_4]$ (M=Cr, Mo and W): Insertion reaction of carbon disulfide into the metal–nitrogen bond (K.-H. Yih, S.-C. Chen, Y.-C. Lin, G.-H. Lee and Y. Wang), 149
Diyne
1,2-Diethynylferrocene (U.H.F. Bunz), C8

EHMO
Novel oxo-bridged dinuclear molybdenum(II) complexes: reaction of $[Mo_2(O_2CCH_3)_2(CH_3CN)_6](BF_4)_2$ with aromatic isocyanides. X-Ray crystal structures of $[Mo_2(\mu\text{-}O)(RNC)_{10}](BF_4)_2$ (R = 2,6-$Me_2C_6H_3$) and $[Mo(=O)F(RNC)_4](BF_4)$ (R = 2,4,6-$Me_3C_6H_2$) (T. Igoshi, T. Tanase and Y. Yamamoto), 37
Electron transfer
An EPR study of the reaction of tetrabutylammonium borohydride with *N*-Heterocycles (M. Lucarini and G.F. Pedulli), 123
Emulsion polymerization
Organometallic complex catalysis in water. II. Water soluble organoruthenium(IV) catalysts for the emulsion polymerization of norbornene (S. Wache), 235
Epoxides
Synthesis of heterocyclic molybdenum carbene complexes using haloalkyl-substituted epoxides (H. Adams, N.A. Bailey, C.M. Marson, L. Randall and M.J. Winter), C12
EPR
An EPR study of the reaction of tetrabutylammonium borohydride with *N*-Heterocycles (M. Lucarini and G.F. Pedulli), 123

Ferrocene
1,2-Diethynylferrocene (U.H.F. Bunz), C8
Fluxionality
Crystal structure of the dimeric bis(*p*-fluoro- and pentafluorophenylacetato)tetra-n-butyldistannoxanes (E.R.T. Tiekink, M. Gielen, A. Bouhdid, M. Biesemans and R. Willem), 247
Ruthenium clusters with nitrogen ligands. IV. Double C–H activation of ketimine methyl groups on triruthenium carbonyl clusters. Crystal structure of $Ru_3(\mu\text{-}H)_2[\mu_3\text{-}\eta^2\text{-}(N,C)\text{-}4\text{-}HOC_6H_4\text{-}N{=}CMeCH](CO)_9 \cdot Et_2O$ (M.P. Cifuentes, T.P. Jeynes, M. Gray, M.G. Humphrey, B.W. Skelton and A.H. White), 267

Group 6
Synthesis of heterocyclic molybdenum carbene complexes using haloalkyl-substituted epoxides (H. Adams, N.A. Bailey, C.M. Marson, L. Randall and M.J. Winter), C12
Group 10
Synthesis and multinuclear NMR studies of 3-aminopropyl(aryl)chalcogenides, $NH_2CH_2CH_2CH_2EAr$ (E=Se, Te), and their complexes with Pt(II) and Pd(II) (A. Khanna, A. Bala and B.L. Khandelwal), 199
Group 16
Synthesis and multinuclear NMR studies of 3-aminopropyl(aryl)chalcogenides, $NH_2CH_2CH_2CH_2EAr$ (E=Se, Te), and their complexes with Pt(II) and Pd(II) (A. Khanna, A. Bala and B.L. Khandelwal), 199

Heterobimetallics
Thiolate derivatives of bis(diphenylphosphinocyclopentadienyl)-titanium Ti–Pt and Ti–Pd heterobimetallic compounds (E. Delgado, J. Forniés, E. Hernández, E. Lalinde, N. Mansilla and M.T. Moreno), 261
Heterocycle
Synthesis of heterocyclic molybdenum carbene complexes using haloalkyl-substituted epoxides (H. Adams, N.A. Bailey, C.M. Marson, L. Randall and M.J. Winter), C12
Hydride
Synthesis, characterization, reactivity, and catalytic hydrogenation activity of the hexanuclear hexahydrido carbonyl cluster compound $[Ru_6(\mu\text{-}H)_6(\mu_3,\eta^2\text{-ampy})_2(CO)_{14}]$ (Hampy = 2-amino-6-methylpyridine) (J.A. Cabeza, I. Del Río, J.M. Fernández-Colinas, A. Llamazares and V. Riera), 169
Hydrides
Synthesis and some reactions of mixed (−)-menthyltin hydrides (J.C. Podestá, A.B. Chopa, G.E. Radivoy and C.A. Vitale), 11
Hydroformylation
NMR spectra and crystal structure of a regioselective hydroformylation catalyst complex RhH(diphosphite)$(CO)_2$ (A. Van Rooy, P.C.J. Kamer, P.W.N.M. Van Leeuwen, N. Veldman and A.L. Spek), C15

Imine
Cyclometallation of 3,5 disubstituted *N*-benzylideneamines by palladium(II). Synthesis and X-ray crystal structure of $[Pd(3,5\text{-}F_2C_6H_2CH{=}NC_6H_5)Br(PPh_3)_2]$ (J. Albert, J. Granell, R. Moragas, J. Sales, M. Font-Bardía and X. Solans), 95
Insertion
New syntheses of $[Et_4N][(C_5H_{10}NCS_2)M(CO)_4]$ (M=Cr, Mo and W): Insertion reaction of carbon disulfide into the metal–nitrogen bond (K.-H. Yih, S.-C. Chen, Y.-C. Lin, G.-H. Lee and Y. Wang), 149
Insertion reactions
Synthesis and reactivity of alkynyl(silylamido)uranium complexes (D. Baudry, A. Dormond and A. Hafid), C22
Iodide
Synthesis and characterization of asymmetric C,N-cyclometallated complexes of Mo(II). X-ray crystal structures of $[(\eta^5\text{-}C_5H_5)Mo\{C_6H_2\text{-}(OCH_2O)\text{-}2,3\text{-}CH_2NMe_2\text{-}6\}(I)(NO)]$ and $[(\eta^5\text{-}C_5H_5)Mo\{S\text{-}C_6H_4CH(Me)NMe_2\text{-}2\}(I)(NO)]$ (M. Pfeffer, E.P. Urriolabeitia, A. De Cian and J. Fischer), 187
Iridium
The reaction of benzene with diethylamine in the presence of an iridium(I)/mercury(II) based system: a model route for the direct amination of aromatic hydrocarbons (P. Diversi, L. Ermini, G. Ingrosso, A. Lucherini, C. Pinzino and L. Sagramora), C1
Iron
1,2-Diethynylferrocene (U.H.F. Bunz), C8
Synthesis of $[Fe_2(CO)_6(\mu\text{-}SC_2H_5)(\mu\text{-}CCR)]$ (R = CH_3 or C_6H_5) and reactivity with electron-rich molecules, triphenylphosphine, diphenylacetylene, ethylthio(phenyl)ethyne and (diethylamino)-propyne. Preparation of $[Fe_2(CO)_6(\mu\text{-}SCCC_6H_5)(\mu\text{-}CCC_6H_5)]$ and formation of $[Fe_4(CO)_{12}(\mu_4\text{-}S)(\mu\text{-}CCC_6H_5)_2]$ (C. Rosenberger, N. Steunou, S. Jeannin and Y. Jeannin), 17
Iron particles
Smoke suppression for poly(vinyl chloride) by iron–organic polymer systems (K. Sekigawa, H. Yasuda, H. Tamai, A. Hiwara, A. Nakamura and H. Sakai), 1
Isocyanide
Novel oxo-bridged dinuclear molybdenum(II) complexes: reaction of $[Mo_2(O_2CCH_3)_2(CH_3CN)_6](BF_4)_2$ with aromatic isocyanides. X-Ray crystal structures of $[Mo_2(\mu\text{-}O)(RNC)_{10}](BF_4)_2$ (R = 2,6-$Me_2C_6H_3$) and $[Mo(=O)F(RNC)_4](BF_4)$ (R = 2,4,6-$Me_3C_6H_2$) (T. Igoshi, T. Tanase and Y. Yamamoto), 37
Synthesis of heterocyclic molybdenum carbene complexes using haloalkyl-substituted epoxides (H. Adams, N.A. Bailey, C.M. Marson, L. Randall and M.J. Winter), C12

Isomerization
Addition of $CHSiMe_3$ to the Co–S Bond of 1,2,5,3-cobaltadithiazole. Formation and reactions of stereoisomeric cobaltathiirane complexes (Y. Mori, M. Takehara, T. Sugiyama, M. Kajitani, T. Akiyama, M. Yamasaki and A. Sugimori), 81

Ketoimine
Ruthenium clusters with nitrogen ligands. IV. Double C–H activation of ketimine methyl groups on triruthenium carbonyl clusters. Crystal structure of $Ru_3(\mu\text{-}H)_2[\mu_3\text{-}\eta^2\text{-}(N,C)\text{-}4\text{-}HOC_6H_4\text{-}N{=}CMeCH](CO)_9$. Et_2O (M.P. Cifuentes, T.P. Jeynes, M. Gray, M.G. Humphrey, B.W. Skelton and A.H. White), 267

Macrocyclic complexes
Modes of complexation of non-substituted and substituted tetraazamacrocycles with Group 6 metal carbonyls. X-ray structure of [(permethylcyclam)$Mo(CO)_4$] (V. Patinec, J.-J. Yaouanc, J.-C. Clément, H. Handel, H. Des Abbayes and M.M. Kubicki), 215

Mercury
The reaction of benzene with diethylamine in the presence of an iridium(I)/mercury(II) based system: a model route for the direct amination of aromatic hydrocarbons (P. Diversi, L. Ermini, G. Ingrosso, A. Lucherini, C. Pinzino and L. Sagramora), C1

Metal vapour synthesis
Preparation of bis(η^6-2-R-benzo[*b*]thiophene)-chromium and -molybdenum (R = H, Me, $SiMe_3$) sandwich complexes via metal vapour synthesis. Crystal structure of [$Cr(\eta^6\text{-}2\text{-}Me\ C_8H_5S)_2$] (N.C. Burton, F.G.N. Cloke, P.B. Hitchcock, G.O. Mepsted, C. Newton and H. Patel), 241

Methylpalladium
Synthesis and characterization of dimeric organochalcogenido-bridged methylpalladium and allylpalladium complexes (A. Singhal and V.K. Jain), 75

Molybdenum
Gehinderte Ligandbewegungen in Übergangsmetallkomplexen XLV. Struktur und dynamisches Verhalten von *cis*-Dicarbonyl-bis(η^4-1,3-dien)chrom(0)-, -molybdän(0)- und -wolfram(0)-Komplexen (S. Özkar, C.G. Kreiter und M. Kotzian), 115
Modes of complexation of non-substituted and substituted tetraazamacrocycles with Group 6 metal carbonyls. X-ray structure of [(permethylcyclam)$Mo(CO)_4$] (V. Patinec, J.-J. Yaouanc, J.-C. Clément, H. Handel, H. Des Abbayes and M.M. Kubicki), 215
New syntheses of $[Et_4N][(C_5H_{10}NCS_2)M(CO)_4]$ (M=Cr, Mo and W): Insertion reaction of carbon disulfide into the metal–nitrogen bond (K.-H. Yih, S.-C. Chen, Y.-C. Lin, G.-H. Lee and Y. Wang), 149
Nitrile exchange reactions of $[MI_2(CO)_3(NCMe)_2]$ (M = Mo or W). X-ray crystal structures of the mixed-ligand seven-coordinate complexes $[WI_2(CO)_3(NCR)(AsPh_3)]$ (R = Et or Ph) (P.K. Baker, M.E. Harman, M.B. Hursthouse, A.I. Karaulov, A.J. Lavery, K.M.A. Malik, D.J. Muldoon and A. Shawcross), 205
Novel oxo-bridged dinuclear molybdenum(II) complexes: reaction of $[Mo_2(O_2CCH_3)_2(CH_3CN)_6](BF_4)_2$ with aromatic isocyanides. X-Ray crystal structures of $[Mo_2(\mu\text{-}O)(RNC)_{10}](BF_4)_2$ (R = 2,6-$Me_2C_6H_3$) and $[Mo(=O)F(RNC)_4](BF_4)$ (R = 2,4,6-$Me_3C_6H_2$) (T. Igoshi, T. Tanase and Y. Yamamoto), 37
Palladium complex-catalyzed intermolecular reductive *N*-heterocyclization: novel synthesis of quinazoline derivatives from 2-nitrobenzaldehyde or 2-nitrophenyl ketones with formamide (M. Akazome, J. Yamamoto, T. Kondo and Y. Watanabe), 229
Preparation of bis(η^6-2-R-benzo[*b*]thiophene)-chromium and -molybdenum (R = H, Me, $SiMe_3$) sandwich complexes via metal vapour synthesis. Crystal structure of [$Cr(\eta^6\text{-}2\text{-}Me\ C_8H_5S)_2$] (N.C. Burton, F.G.N. Cloke, P.B. Hitchcock, G.O. Mepsted, C. Newton and H. Patel), 241
Synthese, Koordinationsverhalten und Thermolyse alkinylfunktionalisierter Übergangsmetall-Komplexe; Kristallstruktur von $\{Mo_2(\eta^5\text{-}C_5H_5)_2(CO)_4[\mu_4\text{-}\eta^{2:2:2:2}\text{-}Me_3SiC{\equiv}C{-}C{\equiv}CSiMe_3)Co_2(CO)_6]\}$ (H. Lang, S. Blau, G. Rheinwald und L. Zsolnai), 65
Synthesis and characterization of asymmetric C,N-cyclometallated complexes of Mo(II). X-ray crystal structures of $[(\eta^5\text{-}C_5H_5)Mo\{C_6H_2\text{-}(OCH_2O)\text{-}2,3\text{-}CH_2NMe_2\text{-}6\}(I)(NO)]$ and $[(\eta^5\text{-}C_5H_5)Mo\{S\text{-}C_6H_4CH(Me)NMe_2\text{-}2\}(I)(NO)]$ (M. Pfeffer, E.P. Urriolabeitia, A. De Cian and J. Fischer), 187
Synthesis of heterocyclic molybdenum carbene complexes using haloalkyl-substituted epoxides (H. Adams, N.A. Bailey, C.M. Marson, L. Randall and M.J. Winter), C12

N-functionalization
Modes of complexation of non-substituted and substituted tetraazamacrocycles with Group 6 metal carbonyls. X-ray structure of [(permethylcyclam)$Mo(CO)_4$] (V. Patinec, J.-J. Yaouanc, J.-C. Clément, H. Handel, H. Des Abbayes and M.M. Kubicki), 215

N–H activation
The reaction of benzene with diethylamine in the presence of an iridium(I)/mercury(II) based system: a model route for the direct amination of aromatic hydrocarbons (P. Diversi, L. Ermini, G. Ingrosso, A. Lucherini, C. Pinzino and L. Sagramora), C1

Nitrene
Palladium complex-catalyzed intermolecular reductive *N*-heterocyclization: novel synthesis of quinazoline derivatives from 2-nitrobenzaldehyde or 2-nitrophenyl ketones with formamide (M. Akazome, J. Yamamoto, T. Kondo and Y. Watanabe), 229

Nitrile
Nitrile exchange reactions of $[MI_2(CO)_3(NCMe)_2]$ (M = Mo or W). X-ray crystal structures of the mixed-ligand seven-coordinate complexes $[WI_2(CO)_3(NCR)(AsPh_3)]$ (R = Et or Ph) (P.K. Baker, M.E. Harman, M.B. Hursthouse, A.I. Karaulov, A.J. Lavery, K.M.A. Malik, D.J. Muldoon and A. Shawcross), 205

Nitrosyl
Synthesis and characterization of asymmetric C,N-cyclometallated complexes of Mo(II). X-ray crystal structures of $[(\eta^5\text{-}C_5H_5)Mo\{C_6H_2\text{-}(OCH_2O)\text{-}2,3\text{-}CH_2NMe_2\text{-}6\}(I)(NO)]$ and $[(\eta^5\text{-}C_5H_5)Mo\{S\text{-}C_6H_4CH(Me)NMe_2\text{-}2\}(I)(NO)]$ (M. Pfeffer, E.P. Urriolabeitia, A. De Cian and J. Fischer), 187

NMR
Crystal structure of the dimeric bis(*p*-fluoro- and pentafluorophenylacetato)tetra-n-butyldistannoxanes (E.R.T. Tiekink, M. Gielen, A. Bouhdid, M. Biesemans and R. Willem), 247
Synthesis and characterization of dimeric organochalcogenido-bridged methylpalladium and allylpalladium complexes (A. Singhal and V.K. Jain), 75

NMR spectroscopy Fluxionality
Synthesis and fluxional behaviour of allylpalladium complexes with poly(pyrazol-1-yl)methane ligands (F.A. Jalón, B.R. Manzano, A. Otero and M.C. Rodríguez-Pérez), 179

Norbornene
Organometallic complex catalysis in water. II. Water soluble organoruthenium(IV) catalysts for the emulsion polymerization of norbornene (S. Wache), 235

Organochalcogenide
Synthesis and characterization of dimeric organochalcogenido-bridged methylpalladium and allylpalladium complexes (A. Singhal and V.K. Jain), 75

Osmium
Synthesis and characterization of triosmium clusters containing the 2-(benzylthio)benzoyl ligand (S.-M. Lee, K.-K. Cheung and W.-T. Wong), 273

Oxidation
On the stability of the copper-(S)-proline catalyst in the enantioselective allylic acyloxylation of alkenes (A. Levina, F. Hénin and J. Muzart), 165
Synthesis of arene Ti and Zr complexes and their reactivity towards air: crystal structure of $[(C_6H_3Me_3)_2Zr(AlCl_4)](Al_2Cl_7)$ and $TiCl_3(OPh)$ (S. Troyanov, A. Pisarevsky and Y.T. Struchkov), C4
Oxo-bridged dinuclear complexes
Novel oxo-bridged dinuclear molybdenum(II) complexes: reaction of $[Mo_2(O_2CCH_3)_2(CH_3CN)_6](BF_4)_2$ with aromatic isocyanides. X-Ray crystal structures of $[Mo_2(\mu\text{-}O)(RNC)_{10}](BF_4)_2$ (R = 2,6-$Me_2C_6H_3$) and $[Mo(=O)F(RNC)_4](BF_4)$ (R = 2,4,6-$Me_3C_6H_2$) (T. Igoshi, T. Tanase and Y. Yamamoto), 37
μ-Oxo complexes
Hydrolysis of (pentamethylcyclopentadienyl)titanium(IV) carbamates. X-ray structure of $[\{Cp^*Ti(\eta^2\text{-}O_2CNEt_2)\}_2(\mu\text{-}O)_2]$ (P. Gómez-Sal, A.M. Irigoyen, A. Martín, M. Mena, M. Monge and C. Yélamos), C19

Palladium
Cyclometallation of 3,5 disubstituted *N*-benzylideneamines by palladium(II). Synthesis and X-ray crystal structure of $[Pd(3,5\text{-}F_2C_6H_2CH{=}NC_6H_5)Br(PPh_3)_2]$ (J. Albert, J. Granell, R. Moragas, J. Sales, M. Font-Bardía and X. Solans), 95
Palladium complex-catalyzed intermolecular reductive *N*-heterocyclization: novel synthesis of quinazoline derivatives from 2-nitrobenzaldehyde or 2-nitrophenyl ketones with formamide (M. Akazome, J. Yamamoto, T. Kondo and Y. Watanabe), 229
Synthesis and characterization of dimeric organochalcogenido-bridged methylpalladium and allylpalladium complexes (A. Singhal and V.K. Jain), 75
Synthesis and fluxional behaviour of allylpalladium complexes with poly(pyrazol-1-yl)methane ligands (F.A. Jalón, B.R. Manzano, A. Otero and M.C. Rodríguez-Pérez), 179
Thiolate derivatives of bis(diphenylphosphinocyclopentadienyl)-titanium Ti–Pt and Ti–Pd heterobimetallic compounds (E. Delgado, J. Forniés, E. Hernández, E. Lalinde, N. Mansilla and M.T. Moreno), 261
Partial hydrogenation
Katalytische Hydrierung chlorhaltiger Disilane mit Tributylstannan (U. Herzog, G. Roewer und U. Pätzold), 143
Peroxide
On the stability of the copper-(S)-proline catalyst in the enantioselective allylic acyloxylation of alkenes (A. Levina, F. Hénin and J. Muzart), 165
Platinum
Thiolate derivatives of bis(diphenylphosphinocyclopentadienyl)-titanium Ti–Pt and Ti–Pd heterobimetallic compounds (E. Delgado, J. Forniés, E. Hernández, E. Lalinde, N. Mansilla and M.T. Moreno), 261
Poly(pyrazolyl)methane
Synthesis and fluxional behaviour of allylpalladium complexes with poly(pyrazol-1-yl)methane ligands (F.A. Jalón, B.R. Manzano, A. Otero and M.C. Rodríguez-Pérez), 179
Poly(vinyl chloride)
Smoke suppression for poly(vinyl chloride) by iron–organic polymer systems (K. Sekigawa, H. Yasuda, H. Tamai, A. Hiwara, A. Nakamura and H. Sakai), 1
Poly(vinylferrocene)
Smoke suppression for poly(vinyl chloride) by iron–organic polymer systems (K. Sekigawa, H. Yasuda, H. Tamai, A. Hiwara, A. Nakamura and H. Sakai), 1
Pyranylidene complexes
Reaction of ethyl 3,3-diethoxyacrylate with Fischer alkoxyalkynyl transition metal carbene complexes (L. Jordi, F. Camps, S. Ricart, J.M. Viñas, J.M. Moretó, M. Mejias and E. Molins), 53
Radical anions
An EPR study of the reaction of tetrabutylammonium borohydride with *N*-Heterocycles (M. Lucarini and G.F. Pedulli), 123
Raman spectroscopy
Synthesis and vibrational spectra of thiobutyrolactone and thiono-benzonaphthopyranones and their cyclopentadienyl ruthenium complexes (R. Pikl, W. Kiefer, I. Reuther, W.A. Schenk, B. Schöner, O. Schupp and G. Bringmann), 89
Reductive *N*-heterocyclization
Palladium complex-catalyzed intermolecular reductive *N*-heterocyclization: novel synthesis of quinazoline derivatives from 2-nitrobenzaldehyde or 2-nitrophenyl ketones with formamide (M. Akazome, J. Yamamoto, T. Kondo and Y. Watanabe), 229
Rhenium
Mononuclear alkyl and acyl derivatives of rheniumpentacarbonyl: synthesis, characterization and properties (J.-A.M. Andersen and J.R. Moss), 105
Rhodium
NMR spectra and crystal structure of a regioselective hydroformylation catalyst complex $RhH(diphosphite)(CO)_2$ (A. Van Rooy, P.C.J. Kamer, P.W.N.M. Van Leeuwen, N. Veldman and A.L. Spek), C15
Ring opening
Organometallic complex catalysis in water. II. Water soluble organoruthenium(IV) catalysts for the emulsion polymerization of norbornene (S. Wache), 235
Ruthenium
Ruthenium clusters with nitrogen ligands. IV. Double C–H activation of ketimine methyl groups on triruthenium carbonyl clusters. Crystal structure of $Ru_3(\mu\text{-}H)_2[\mu_3\text{-}\eta^2\text{-}(N,C)\text{-}4\text{-}HOC_6H_4\text{-}N{=}CMeCH](CO)_9 \cdot Et_2O$ (M.P. Cifuentes, T.P. Jeynes, M. Gray, M.G. Humphrey, B.W. Skelton and A.H. White), 267
Synthesis, characterization, reactivity, and catalytic hydrogenation activity of the hexanuclear hexahydrido carbonyl cluster compound $[Ru_6(\mu\text{-}H)_6(\mu_3,\eta^2\text{-ampy})_2(CO)_{14}]$ (Hampy = 2-amino-6-methylpyridine) (J.A. Cabeza, I. Del Río, J.M. Fernández-Colinas, A. Llamazares and V. Riera), 169

Sandwich
Preparation of bis(η^6-2-R-benzo[*b*]thiophene)-chromium and -molybdenum (R = H, Me, $SiMe_3$) sandwich complexes via metal vapour synthesis. Crystal structure of $[Cr(\eta^6\text{-}2\text{-}Me\ C_8H_5S)_2]$ (N.C. Burton, F.G.N. Cloke, P.B. Hitchcock, G.O. Mepsted, C. Newton and H. Patel), 241
Silazanes
Tetrafluorocyclodisilazanes: synthesis, crystal structure, and molecular orbital ab initio calculations (T. Müller, Y. Apeloig, I. Hemme, U. Klingebiel and M. Noltemeyer), 133
Silicon
Katalytische Hydrierung chlorhaltiger Disilane mit Tributylstannan (U. Herzog, G. Roewer und U. Pätzold), 143
Synthese, Koordinationsverhalten und Thermolyse alkinylfunktionalisierter Übergangsmetall-Komplexe; Kristallstruktur von $\{Mo_2(\eta^5\text{-}C_5H_5)_2(CO)_4[(\mu_4\text{-}\eta^{2:2:2:2}\text{-}Me_3SiC{\equiv}C\text{-}C{\equiv}CSiMe_3)Co_2(CO)_6]\}$ (H. Lang, S. Blau, G. Rheinwald und L. Zsolnai), 65
Tetrafluorocyclodisilazanes: synthesis, crystal structure, and molecular orbital ab initio calculations (T. Müller, Y. Apeloig, I. Hemme, U. Klingebiel and M. Noltemeyer), 133
Silylamido complexes
Synthesis and reactivity of alkynyl(silylamido)uranium complexes (D. Baudry, A. Dormond and A. Hafid), C22
Smoke suppression
Smoke suppression for poly(vinyl chloride) by iron–organic polymer systems (K. Sekigawa, H. Yasuda, H. Tamai, A. Hiwara, A. Nakamura and H. Sakai), 1

Stannyl azides
Ein einfaches Verfahren zur Herstellung von Organozinnaziden. Synthese und Struktur der sterisch gehinderten Stannylazide $^tBu_3SnN_3$ und $^tBu_2Sn(N_3)_2$ (D. Hänssgen, M. Jansen, C. Leben und T. Oster), 223
Stereoselective synthesis
Preparation and some reactions of neophyltin anions (J.C. Podestá, A.B. Chopa, N.N. Giagante and A.E. Zúñiga), 5
Sulfur
Synthesis of $[Fe_2(CO)_6(\mu\text{-}SC_2H_5)(\mu\text{-}CCR)]$ ($R = CH_3$ or C_6H_5) and reactivity with electron-rich molecules, triphenylphosphine, diphenylacetylene, ethylthio(phenyl)ethyne and (diethylamino)propyne. Preparation of $[Fe_2(CO)_6(\mu\text{-}SCCC_6H_5)(\mu\text{-}CCC_6H_5)]$ and formation of $[Fe_4(CO)_{12}(\mu_4\text{-}S)(\mu\text{-}CCC_6H_5)_2]$ (C. Rosenberger, N. Steunou, S. Jeannin and Y. Jeannin), 17
Synthesis
Ein einfaches Verfahren zur Herstellung von Organozinnaziden. Synthese und Struktur der sterisch gehinderten Stannylazide $^tBu_3SnN_3$ und $^tBu_2Sn(N_3)_2$ (D. Hänssgen, M. Jansen, C. Leben und T. Oster), 223
Reaction of ethyl 3,3-diethoxyacrylate with Fischer alkoxyalkynyl transition metal carbene complexes (L. Jordi, F. Camps, S. Ricart, J.M. Viñas, J.M. Moretó, M. Mejias and E. Molins), 53
Synthesis and vibrational spectra of thiobutyrolactone and thiono-benzonaphthopyranones and their cyclopentadienyl ruthenium complexes (R. Pikl, W. Kiefer, I. Reuther, W.A. Schenk, B. Schöner, O. Schupp and G. Bringmann), 89

Tetrahydroborate
An EPR study of the reaction of tetrabutylammonium borohydride with *N*-Heterocycles (M. Lucarini and G.F. Pedulli), 123
Thermolysis
Synthese, Koordinationsverhalten und Thermolyse alkinylfunktionalisierter Übergangsmetall-Komplexe; Kristallstruktur von $\{Mo_2(\eta^5\text{-}C_5H_5)_2(CO)_4[(\mu_4\text{-}\eta^{2:2:2:2}\text{-}Me_3SiC{\equiv}C\text{–}C{\equiv}CSiMe_3)Co_2(CO)_6]\}$ (H. Lang, S. Blau, G. Rheinwald und L. Zsolnai), 65
Thiirane
Addition of $CHSiMe_3$ to the Co–S Bond of 1,2,5,3-cobaltadithiazole. Formation and reactions of stereoisomeric cobaltathiirane complexes (Y. Mori, M. Takehara, T. Sugiyama, M. Kajitani, T. Akiyama, M. Yamasaki and A. Sugimori), 81
Thiobutyrolactone
Synthesis and vibrational spectra of thiobutyrolactone and thiono-benzonaphthopyranones and their cyclopentadienyl ruthenium complexes (R. Pikl, W. Kiefer, I. Reuther, W.A. Schenk, B. Schöner, O. Schupp and G. Bringmann), 89
Thiolate
Synthesis of $[Fe_2(CO)_6(\mu\text{-}SC_2H_5)(\mu\text{-}CCR)]$ ($R = CH_3$ or C_6H_5) and reactivity with electron-rich molecules, triphenylphosphine, diphenylacetylene, ethylthio(phenyl)ethyne and (diethylamino)propyne. Preparation of $[Fe_2(CO)_6(\mu\text{-}SCCC_6H_5)(\mu\text{-}CCC_6H_5)]$ and formation of $[Fe_4(CO)_{12}(\mu_4\text{-}S)(\mu\text{-}CCC_6H_5)_2]$ (C. Rosenberger, N. Steunou, S. Jeannin and Y. Jeannin), 17
Thiolate derivatives of bis(diphenylphosphinocyclopentadienyl)-titanium Ti–Pt and Ti–Pd heterobimetallic compounds (E. Delgado, J. Forniés, E. Hernández, E. Lalinde, N. Mansilla and M.T. Moreno), 261
Thiono-benzonaphthopyranones
Synthesis and vibrational spectra of thiobutyrolactone and thiono-benzonaphthopyranones and their cyclopentadienyl ruthenium complexes (R. Pikl, W. Kiefer, I. Reuther, W.A. Schenk, B. Schöner, O. Schupp and G. Bringmann), 89
Thionolactones
Synthesis and vibrational spectra of thiobutyrolactone and thiono-benzonaphthopyranones and their cyclopentadienyl ruthenium complexes (R. Pikl, W. Kiefer, I. Reuther, W.A. Schenk, B. Schöner, O. Schupp and G. Bringmann), 89
Tin
Crystal structure of the dimeric bis(*p*-fluoro- and pentafluorophenylacetato)tetra-n-butyldistannoxanes (E.R.T. Tiekink, M. Gielen, A. Bouhdid, M. Biesemans and R. Willem), 247
Ein einfaches Verfahren zur Herstellung von Organozinnaziden. Synthese und Struktur der sterisch gehinderten Stannylazide $^tBu_3SnN_3$ und $^tBu_2Sn(N_3)_2$ (D. Hänssgen, M. Jansen, C. Leben und T. Oster), 223
Preparation and some reactions of neophyltin anions (J.C. Podestá, A.B. Chopa, N.N. Giagante and A.E. Zúñiga), 5
Synthesis and some reactions of mixed (−)-menthyltin hydrides (J.C. Podestá, A.B. Chopa, G.E. Radivoy and C.A. Vitale), 11
Titanium
Hydrolysis of (pentamethylcyclopentadienyl)titanium(IV) carbamates. X-ray structure of $[\{Cp^*Ti(\eta^2\text{-}O_2CNEt_2)\}_2(\mu\text{-}O)_2]$ (P. Gómez-Sal, A.M. Irigoyen, A. Martín, M. Mena, M. Monge and C. Yélamos), C19
Synthesis and characterisation of chlorobis(dialkylamido) and alkylbis(dialkylamido) derivatives of $[(\eta^5\text{-}C_5Me_5)MCl_3]$ (M = Ti,Zr) (A.M. Irigoyen, A. Martín, M. Mena, F. Palacios and C. Yélamos), 255
Synthesis of arene Ti and Zr complexes and their reactivity towards air: crystal structure of $[(C_6H_3Me_3)_2Zr(AlCl_4)](Al_2Cl_7)$ and $TiCl_3(OPh)$ (S. Troyanov, A. Pisarevsky and Y.T. Struchkov), C4
Thiolate derivatives of bis(diphenylphosphinocyclopentadienyl)-titanium Ti–Pt and Ti–Pd heterobimetallic compounds (E. Delgado, J. Forniés, E. Hernández, E. Lalinde, N. Mansilla and M.T. Moreno), 261
Transmetallation
Synthesis and characterization of asymmetric C,N-cyclometallated complexes of Mo(II). X-ray crystal structures of $[(\eta^5\text{-}C_5H_5)Mo\{C_6H_2\text{-}(OCH_2O)\text{-}2,3\text{-}CH_2NMe_2\text{-}6\}(I)(NO)]$ and $[(\eta^5\text{-}C_5H_5)Mo\{S\text{-}C_6H_4CH(Me)NMe_2\text{-}2\}(I)(NO)]$ (M. Pfeffer, E.P. Urriolabeitia, A. De Cian and J. Fischer), 187
Tungsten
Gehinderte Ligandbewegungen in Übergangsmetallkomplexen XLV. Struktur und dynamisches Verhalten von *cis*-Dicarbonyl-bis(η^4-1,3-dien)chrom(0)-, -molybdän(0)- und -wolfram(0)-Komplexen (S. Özkar, C.G. Kreiter und M. Kotzian), 115
Modes of complexation of non-substituted and substituted tetraazamacrocycles with Group 6 metal carbonyls. X-ray structure of [(permethylcyclam)$Mo(CO)_4$] (V. Patinec, J.-J. Yaouanc, J.-C. Clément, H. Handel, H. Des Abbayes and M.M. Kubicki), 215
New syntheses of $[Et_4N][(C_5H_{10}NCS_2)M(CO)_4]$ (M=Cr, Mo and W): Insertion reaction of carbon disulfide into the metal–nitrogen bond (K.-H. Yih, S.-C. Chen, Y.-C. Lin, G.-H. Lee and Y. Wang), 149
Nitrile exchange reactions of $[MI_2(CO)_3(NCMe)_2]$ (M = Mo or W). X-ray crystal structures of the mixed-ligand seven-coordinate complexes $[WI_2(CO)_3(NCR)(AsPh_3)]$ (R = Et or Ph) (P.K. Baker, M.E. Harman, M.B. Hursthouse, A.I. Karaulov, A.J. Lavery, K.M.A. Malik, D.J. Muldoon and A. Shawcross), 205
Reaction of aminocarbene complexes of chromium and tungsten. 6. Rearrangements of and insertions of alkynes into aziridinylcarbene complexes (B. Denise, A. Parlier, H. Rudler and J. Vaissermann), 43
Synthese, Koordinationsverhalten und Thermolyse alkinylfunktionalisierter Übergangsmetall-Komplexe; Kristallstruktur von $\{Mo_2(\eta^5\text{-}C_5H_5)_2(CO)_4[(\mu_4\text{-}\eta^{2:2:2:2}\text{-}Me_3SiC{\equiv}C\text{–}C{\equiv}CSiMe_3)Co_2(CO)_6]\}$ (H. Lang, S. Blau, G. Rheinwald und L. Zsolnai), 65

Uranium
Synthesis and reactivity of alkynyl(silylamido)uranium complexes (D. Baudry, A. Dormond and A. Hafid), C22

Water-soluble organometallic catalysts
Organometallic complex catalysis in water. II. Water soluble organoruthenium(IV) catalysts for the emulsion polymerization of norbornene (S. Wache), 235

X-ray diffraction
1-Me_2NH-2-CH_2Cl-*closo*-1-$CB_{11}H_{10}$. An unusual product from the insertion reaction of Me_2NBCl_2 with Li_2 [7-Me_3N-*nido*-7-$CB_{10}H_{10}$] (J.H. Morris, G.S. Peters and M.D. Spicer), 195
Hydrolysis of (pentamethylcyclopentadienyl)titanium(IV) carbamates. X-ray structure of [{$Cp^*Ti(\eta^2$-$O_2CNEt_2)$}$_2(\mu$-$O)_2$] (P. Gómez-Sal, A.M. Irigoyen, A. Martín, M. Mena, M. Monge and C. Yélamos), C19
Novel oxo-bridged dinuclear molybdenum(II) complexes: reaction of $[Mo_2(O_2CCH_3)_2(CH_3CN)_6](BF_4)_2$ with aromatic isocyanides. X-Ray crystal structures of $[Mo_2(\mu$-$O)(RNC)_{10}](BF_4)_2$ (R = 2,6-$Me_2C_6H_3$) and $[Mo(=O)F(RNC)_4](BF_4)$ (R = 2,4,6-$Me_3C_6H_2$) (T. Igoshi, T. Tanase and Y. Yamamoto), 37
X-ray structure
Cyclometallation of 3,5 disubstituted *N*-benzylideneamines by palladium(II). Synthesis and X-ray crystal structure of [Pd(3,5-$F_2C_6H_2CH$=NC_6H_5)Br(PPh_3)$_2$] (J. Albert, J. Granell, R. Moragas, J. Sales, M. Font-Bardía and X. Solans), 95
Ein einfaches Verfahren zur Herstellung von Organozinnaziden. Synthese und Struktur der sterisch gehinderten Stannylazide $^tBu_3SnN_3$ und $^tBu_2Sn(N_3)_2$ (D. Hänssgen, M. Jansen, C. Leben und T. Oster), 223
Reaction of aminocarbene complexes of chromium and tungsten. 6. Rearrangements of and insertions of alkynes into aziridinylcarbene complexes (B. Denise, A. Parlier, H. Rudler and J. Vaissermann), 43
Synthesis, characterization, reactivity, and catalytic hydrogenation activity of the hexanuclear hexahydrido carbonyl cluster compound [$Ru_6(\mu$-$H)_6(\mu_3,\eta^2$-ampy$)_2(CO)_{14}$] (Hampy = 2-amino-6-methylpyridine) (J.A. Cabeza, I. Del Río, J.M. Fernández-Colinas, A. Llamazares and V. Riera), 169
X-ray structures
Modes of complexation of non-substituted and substituted tetraazamacrocycles with Group 6 metal carbonyls. X-ray structure of [(permethylcyclam)Mo$(CO)_4$] (V. Patinec, J.-J. Yaouanc, J.-C. Clément, H. Handel, H. Des Abbayes and M.M. Kubicki), 215
Reaction of ethyl 3,3-diethoxyacrylate with Fischer alkoxyalkynyl transition metal carbene complexes (L. Jordi, F. Camps, S. Ricart, J.M. Viñas, J.M. Moretó, M. Mejias and E. Molins), 53

Zirconium
Synthesis and characterisation of chlorobis(dialkylamido) and alkylbis(dialkylamido) derivatives of [(η^5-C_5Me_5)MCl_3](M = Ti,Zr) (A.M. Irigoyen, A. Martín, M. Mena, F. Palacios and C. Yélamos), 255
Synthesis of arene Ti and Zr complexes and their reactivity towards air: crystal structure of [$(C_6H_3Me_3)_2Zr(AlCl_4)](Al_2Cl_7)$ and $TiCl_3(OPh)$ (S. Troyanov, A. Pisarevsky and Y.T. Struchkov), C4

Book reviews
Cluster molecules of the p-block elements C. E. Housecroft (P.D. Lickiss), C24
The Mechanisms of Reactions at Transition Metal Sites R.A. Henderson (D.A. Brown), C24